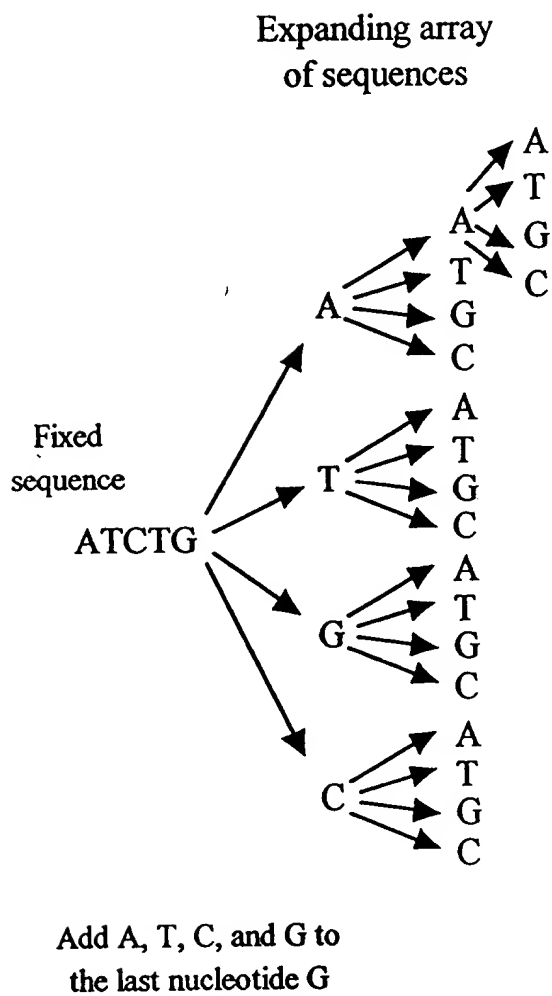


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA  
Applicant: Perinannan Semapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005



Some possible  
sequences linked to the  
constant sequence

ATCTGAAA  
ATCTGAAT  
ATCTGAAG  
ATCTGAAC  
ATCTGATA  
ATCTGATT  
ATCTGATG  
ATCTGATC  
.....  
ATCTGTAA  
ATCTGTAT  
ATCTGTAG  
ATCTGTAC  
.....  
ATCTGCCA  
ATCTGCCT  
ATCTGCCG  
ATCTGCCC

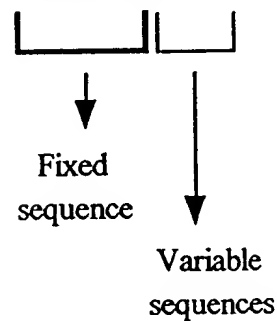


FIG. 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA  
Applicant: Periamman Sannapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005

5' splice junction:       $\begin{matrix} & A \\ AGGT & GGT \\ & G \end{matrix}$

3' splice junction:       $\begin{matrix} TT & TT & TT & TT \\ CC & TT & C & C & C & C & C \end{matrix} XAGGT$

Promoter region:      TATAA

Poly A:      ATAATA

Alu repeats:      Repeats of about 250 bases

Homeobox:      A sequence of about 180 bases  
coding for ~ 60 amino acids

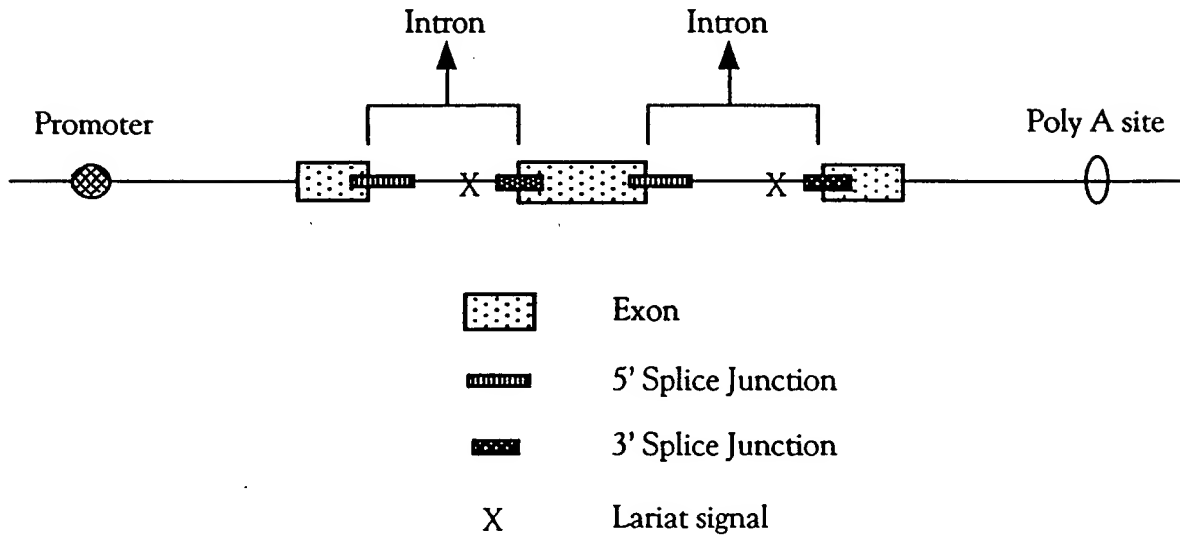
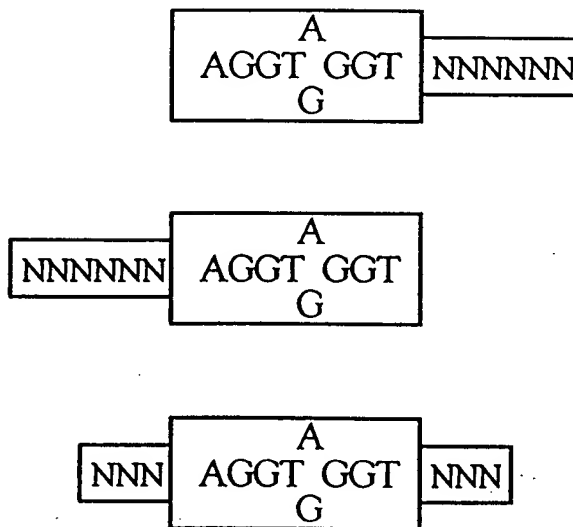


FIG. 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DEFTSMAN		

Unknown DNA  
Applicant: Perinannan Semapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005

### 5' Splice Consensus Primer



### Promoter Consensus Sequence:

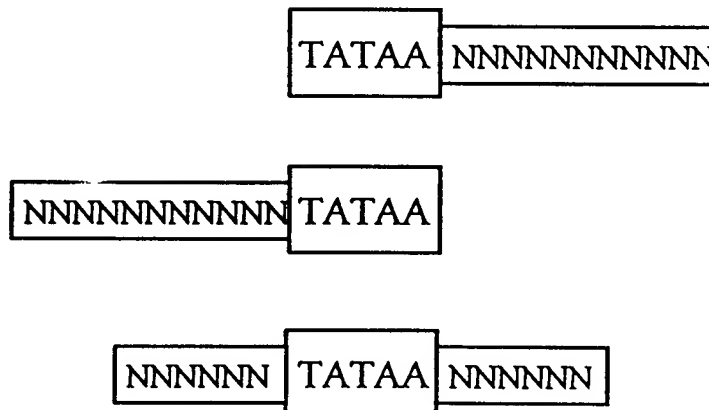


FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA  
Applicant: Perianan Semapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005

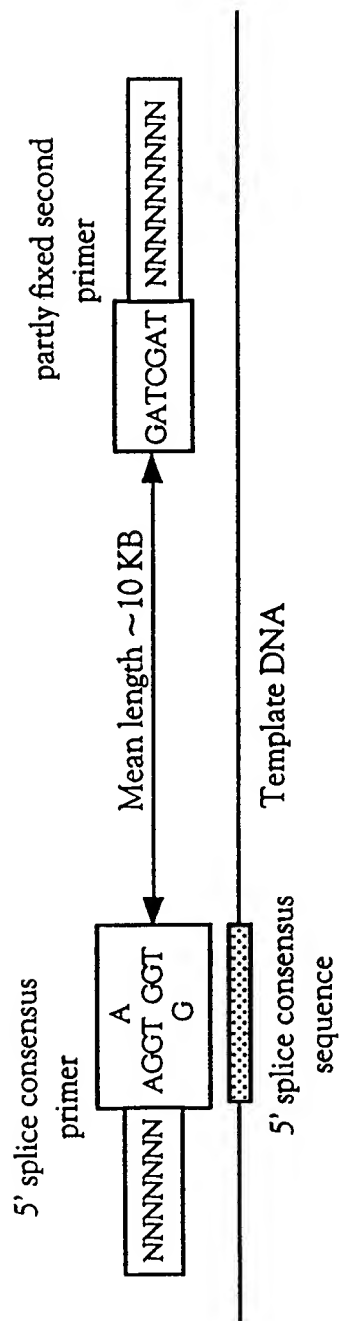


FIG. 4A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA  
Applicant: Perinannan Senapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005

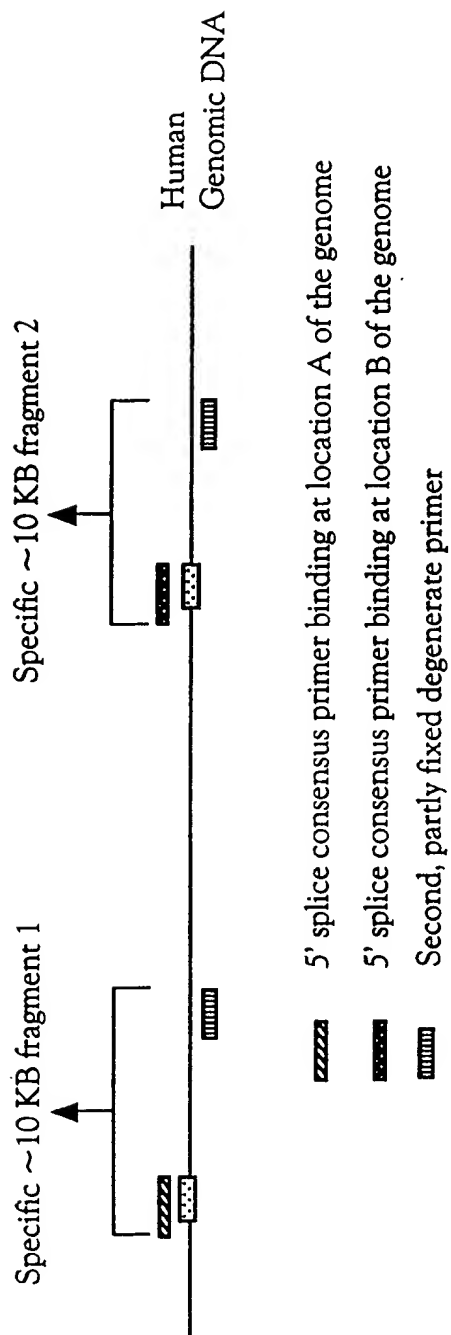


FIG. 4B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DR. <u>SMAN</u>		

**Unknown DNA**  
**Applicant: Perianman Semapathy**  
**Serial No: 09/431,451**  
**Atty. Docket No.: 34623.005**

PCR amplify between 3' and 5' splice consensus primers

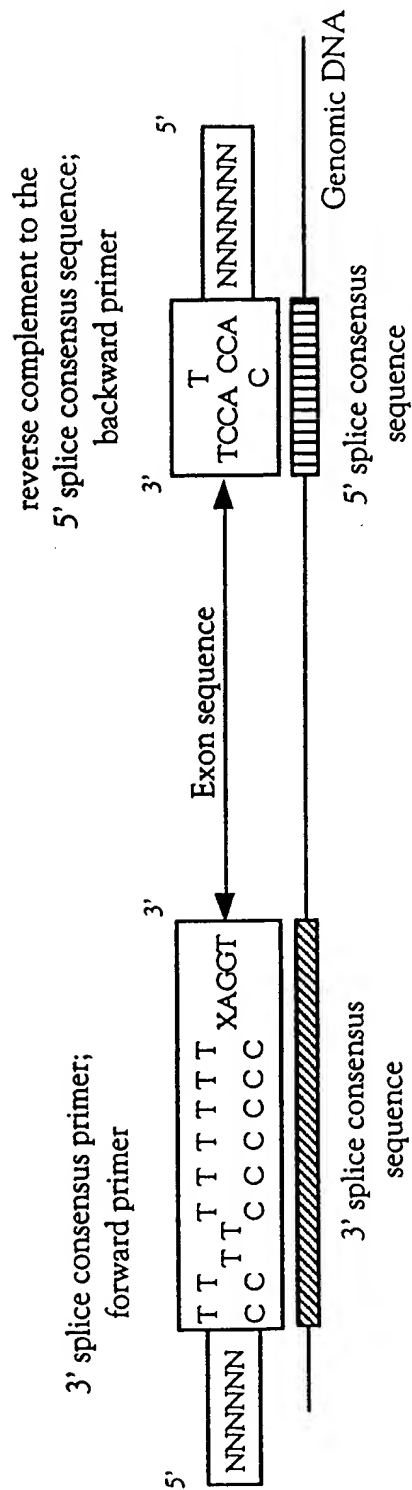


FIG. 5A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA  
Applicant: Periannan Senapathy  
Serial No: 09/431,451  
Atty. Docket No.: 34623.005

Change 3 Ns to individual triplets in a PCR reaction:  
Total number of triplets/PCR reactions = 64

reverse complement to the  
5' splice consensus sequence  
backward primer

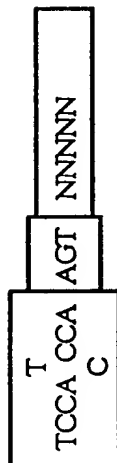


FIG. 5B

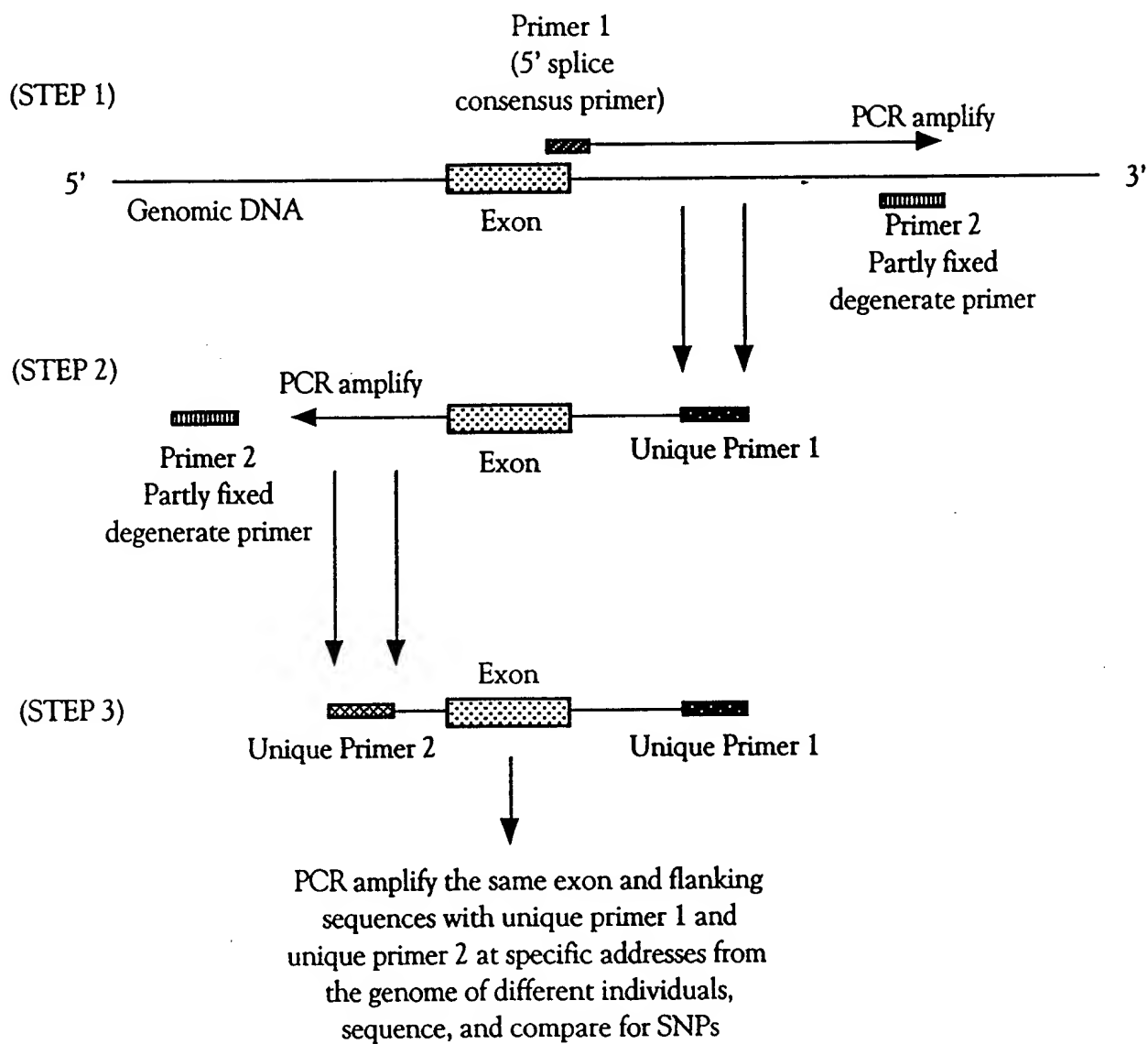


FIG. 6

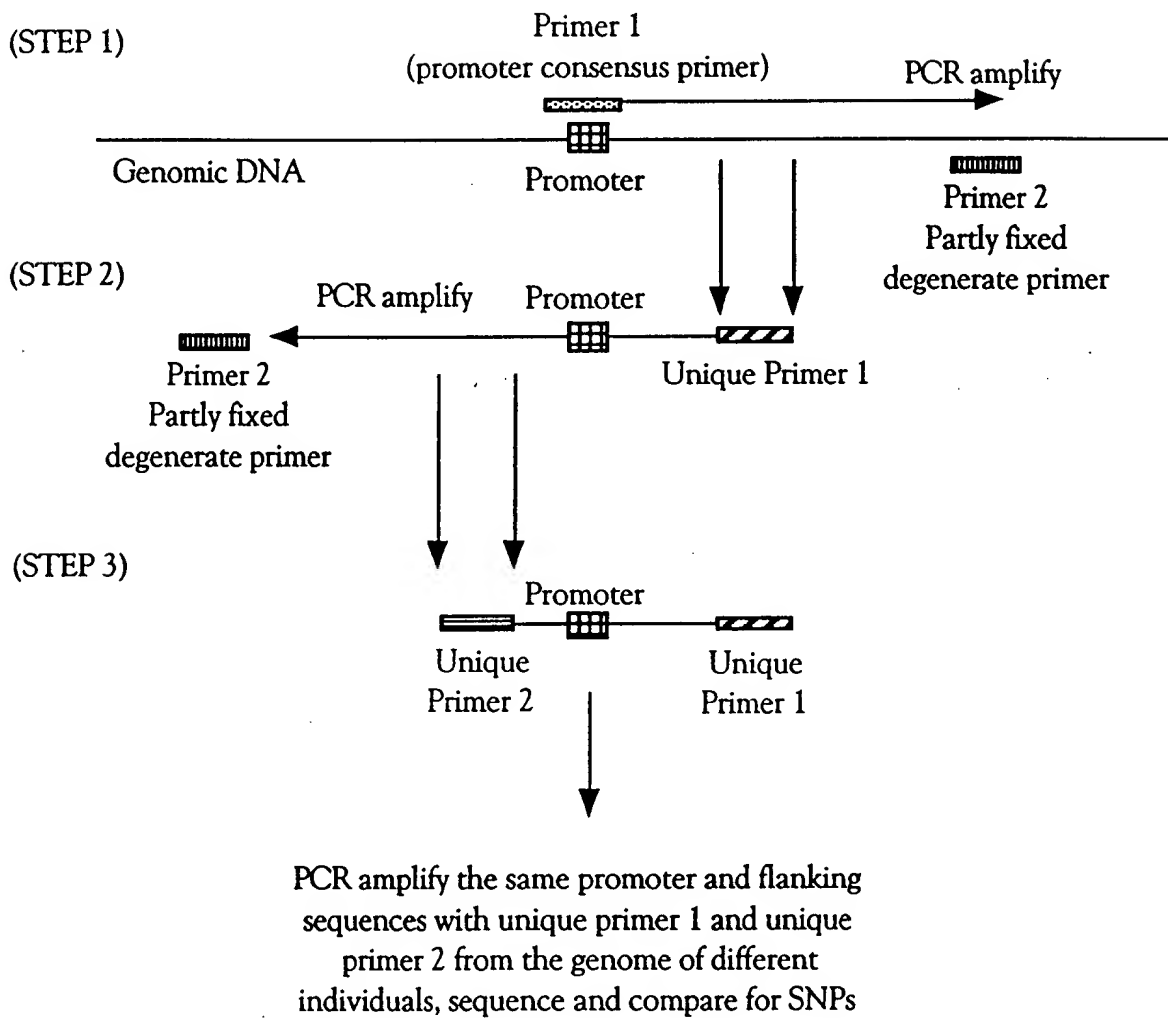


FIG. 7